

### Patent Claims

1. A built-up camshaft comprising  
a pipe or a solid rod,  
cams,  
bearing rings,  
end pieces, and  
other parts, wherein the cams (3), the end pieces (6), the  
bearing rings, and the other parts are connected by means of  
longitudinal compression joints to the pipe or to the solid  
rod, wherein the parts to be connected are provided with a  
suitable surface coating, and wherein the surface coating  
prevents a tribocorrosion and increases the load capacity as  
compared to conventional compression joints.
2. The camshaft according to claim 1, wherein  
the coating (2, 5) is a joint-stable conversion coating.
3. The camshaft according to claim 1, wherein  
the coating (2, 5) is a metal coating or a cement coating.
4. The camshaft according to claim 1, wherein  
the pipe or the solid rod and/or the cams, the end pieces,  
the bearing rings, and the other parts are made out of

BA

600 HI

Add  $\frac{1}{5}$

- 8 -